



CONSTRUCTION EQUIPMENT

W07013888 VOLVO A25G 752298 - DIESEL ENGINE



Sample No: VCP411807
Oil Type: MOBIL 15W40
Job No: W07013888



SAMPLE INFORMATION

Sample Number	VCP411807	VCP420973	VCP372962	---
Sample Date	06 Dec 2023	31 May 2023	18 Jul 2022	---
Machine Hours	1550	1063	501	---
Oil Hours	500	500	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	ABNORMAL	---

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
1345 MOUNTAIN ROAD
GLEN ALLEN, VA
US 23060
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OIL CONDITION

Visc @ 100°C	cSt	12.4	12.4	10.7	---
Base Number (BN)	mg KOH/g	6.6	7.6	7.5	---
Oxidation (PA)	%	68	63	59	---

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.



CONTAMINATION

Water	%	NEG	NEG	NEG	---
Soot %	%	0.1	0.1	0.1	---
Nitration (PA)	%	68	49	77	---
Sulfation (PA)	%	53	57	54	---
Glycol	%	NEG	NEG	NEG	---
Fuel	%	<1.0	<1.0	0.5	---
Silicon	ppm	4	6	38	---
Sodium	ppm	4	3	<1	---
Potassium	ppm	0	2	4	---



WEAR METALS

Iron	ppm	9	3	15	---
Copper	ppm	7	33	170	---
Lead	ppm	0	0	1	---
Tin	ppm	<1	<1	2	---
Aluminum	ppm	1	1	2	---
Chromium	ppm	<1	<1	<1	---
Molybdenum	ppm	52	93	80	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	0	<1	0	---
Silver	ppm	<1	0	2	---
Manganese	ppm	1	<1	4	---
Vanadium	ppm	0	<1	0	---



ADDITIVES

Calcium	ppm	1189	1426	2286	---
Magnesium	ppm	769	517	52	---
Zinc	ppm	923	1080	1210	---
Phosphorus	ppm	771	889	1043	---
Barium	ppm	0	0	0	---
Boron	ppm	65	341	77	---

Depot: VOLVO8882
Unique No: 10781930
Signed: Sean Felton
Report Date: 14 Dec 2023



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GRAPHS

